

# [Cosmeceutical and nutraceutical applications of Garcinia extract containing minimum of 3% polyisoprenylated compounds for skin, hair and nails]

## Abstract

This invention discloses newer cosmetic applications of lipophilic Garcinia fruit extracts containing a minimum of 3% Garcinol and 2% Cambogin as combination or any one, belonging to polyisoprenylated benzophenones of minimum 5%, for use as specific metalloprotease inhibitors against elastase, collagenase, hyaluronidase, useful in alleviating signs of premature aging, photoaging, fine lines, crows feet, wrinkles, strengthening elasticity, tone, texture of the skin and hair. These benzophenones can also be used as powerful anti-bacterial against *Propionibacterium* acnes, to fight acne and pimples. In hair care preparations, Garcinia benzophenones can be used as antibacterial and UV protectant against both UVA and UVB rays. These benzophenones administered orally and/ or topically, as cyclooxygenase inhibitor useful in inflammatory conditions, aches, hyper-proliferation, fever,

platelet aggregation and stroke. The said cosmetic compositions contain concentrations of 0.001–10%w/w of extract or isolates of Benzophenones.